# pdopencvcpp

Search this site





## Image Resizing

EXAMPLE 1

```
#include <opencv2/core/core.hpp>
#include <opencv2/highgui/highgui.hpp>
#include <opencv2/imgproc/imgproc.hpp>
#include <iostream>

using namespace cv;
using namespace std;

int main()
{
  Mat im = imread("Desert.jpg");
  Mat im_out;
  namedWindow("image1");
  namedWindow("image2");
  if (im.empty())
  {
    cout << "Cannot open image!" << endl;
    return -1;
  }
  //make the copy 1/2 as big as the original
  resize(im,im_out,Size(im.cols/2,im.rows/2),0,0,INTER_LINEAR);

  imshow("image1", im);
  imshow("image2", im_out);
  waitKey(5000);

  return 0;
}
```

EXAMPLE 2

```
#include <opencv2\core\core.hpp>
#include  <opencv2\highgui\highgui.hpp>
#include <opencv2\imgproc\imgproc.hpp>  //required for any image related functions

int main(){

        cv::Mat image = cv::imread("plane.jpg");
        if(!image.data){
                //problem!!
        }
        cv::namedWindow("Window1");
        cv::namedWindow("Window2");

        //will be deformed
        cv::Mat copyimg(image.clone());

        cv::imshow("Window1", image);


       //void resize(const Mat& src, Mat& dst, Size dsize, double fx=0, double fy=0, int interpolation=INTER_LINEA
       cv::resize(image, copyimg,cv::Size(),3,3,cv::INTER_NEAREST);
       cv::imshow("Window2",copyimg);


        cv::waitKey(50000);
        return 1;
```

```
}
```

## Comments

You do not have permission to add comments.